

New England Agricultural Statistics Service

a field office of the National Agricultural Statistics Service United States Department of Agriculture

22 Bridge St, Third Floor

PO Box 1444
Concord, NH 03302

Aubrey R. Davis, Director www.usda.gov/nass

603-224-9639 Fax: 603-225-1434

nass-nh@nass.usda.gov



Crop Weather

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July 26, 2004 - 4 pm

For week ending 7/25/04

Hot and Humid Week

GENERAL CONDITIONS: For the week ending July 25, 2004, there were 5.1 days available for field work across New England. Topsoil moisture was rated 19 percent short, 70 percent adequate, 11 percent surplus. Subsoil moisture was rated one percent very short, 17 percent short, 75 percent adequate, seven percent surplus. Pasture condition was rated two percent very poor, eight percent poor, 27 percent fair, 51 percent good, 12 percent excellent. Hot, humid conditions mixed with scattered showers prevailed during the week across New England hindering haying activities in many areas. The warmer temperatures and sunshine benefitted field crops by increasing growth rates and crop development. Major farm activities included: making hay and haylage when possible; harvesting highbush blueberries and shade tobacco; finishing harvesting strawberries, mowing; cultivating; weeding, top-dressing fields; monitoring fields; applying pesticides.

FRUIT: Harvest of berry crops made significant gains during the week. Highbush blueberries advanced 25 percentage points, well ahead of last year and average. Operators continued to monitor for insect pest and diseases and the crop was reported in good to fair condition. Wild blueberry harvest is expected to be delayed at least a week due to the cool, wet weather during the spring and early summer. Growers sprayed insecticides to control fruit fly. Cranberries are nearly out of bloom and fruit set was still rated as good. The crop has received little rain as growers continued with irrigation. Fruit worm injury was reported in some beds. Raspberry harvest continued and strawberry harvest was completed during the week.

FRUIT CROP DEVELOPMENT ACROSS NEW ENGLAND

	Percent Harveseted								
Crop	2004	2003	5-yr Avg	Condition					
Apples				Good/Fair					
Peaches			10	Good/Fair					
Pears				Good					
Blueberries Highbush Wild, ME	40 	20 	20	Good/Fair Fair/Poor					
Cranberries, MA Strawberries	 100	 100	 99	Good/Fair Good/Fair					

VEGETABLES: Growers have reported good yields on crops already harvested. Growers were top-dressing late vegetable crops and applying protective sprays as needed. Harvest continued during the week for beans, beets, broccoli, cabbage, cucumbers, lettuce, peas, potatoes, radishes, snap beans, summer squash, and greenhouse tomatoes. Sweet corn harvest began during the week as 10 percent of the crop had been picked.

SOIL MOISTURE ACROSS NEW ENGLAND

Soil Rating	This Week	Last Week	Last Year					
	Percent							
Topsoil Moisture								
Very Short	0	0	6					
Short	19	24	18					
Adequate	70	65	69					
Surplus	11	11	7					
Subsoil Moisture								
Very Short	1	0	3					
Short	17	23	26					
Adequate	75	71	63					
Surplus	7	6	8					

FIELD CROPS: Operators had a tough time making hay during the week due to the scattered showers, though good regrowth was reported on meadows already harvested. In Northern Maine, late blight was reported in some potato fields; growers were urged to use preventative sprays. Fields were also being monitored for corn borer egg masses. Potato conditions ranged from good to excellent across the six-state region. Shade tobacco harvest advanced to 10 percent complete during the week and broad leaf harvest was underway. The hot, humid weather improved field corn growth as early corn fields have begun to tassel.

FIELD CROP DEVELOPMENT ACROSS NEW ENGLAND

Crop	2004	2003	5-yr Avg	Condition					
Percent Harvested									
Barley, ME			Good/Excellent						
Oats, ME				Excellent/Good					
Potatoes:									
Maine				Excellent/Good					
Mass	10			Good					
Rhode Isl				Good/Excellent					
Silage Corn				Good/Fair					
Sweet Corn	10	10	15	Good					
Tobacco:									
Shade	10	10	15	Good/Excellent					
Broadleaf				Good/Fair					
Dry Hay:									
First Cut	90	95	95	Good					
Second Cut	30	35	45	Good					

For the Week Ending Sunday, July 25, 2004

The 41 stations shown below were limited by space but were well distributed across the region. All 86 stations appear on the Internet and in e-mail subscriptions.

	AIR TEMPERATURE		E	CUM SINCE MAR 1 GROWING DEGREE DAYS			1-WEEK PRECIP			4-WEEK CUM PRECIP				
STATION	 L0	HI	avg	- DFN	BASE TOT	-50F DFN	BASE TOT	-60F DFN	TOTAL INCHES		DAYS	TOTAL INCHES		DAYS
MAINE Augusta_State_A Bangor_Intl_Arp Bethel Caribou_Municip Dover-Foxcroft Frenchville Houlton Livermore_Falls Moosehead Portland_ME	51 46 47 47 45 47 41 46 42 52	83 84 84 84 81 83 83 87 83	70 69 69 69 67 68 68 70 65 69	-1 +0 +0 +3 +1 +3 +2 +3 -1	1011 942 957 730 707 654 726	-92 -49 -48 -90 -152 -103 -123 +117 -61 -10	331 300 289 204 177 161 209 324 130 315	-60 -19 -34 -12 -63 -23 -28 +91 -33 +1	0.38 0.59 2.33 1.41 0.65 0.50 1.08 1.50 2.63 1.24	-0.34 -0.14 +1.53 +0.46 -0.12 -0.41 +0.21 +0.73 +1.72 +0.56	4 4 4 3 4 3 3 4 4 4 4	1.96 2.73 5.51 3.66 2.93 6.12 2.90 4.27 5.65 3.63	-0.91 -0.31 +2.28 +0.13 -0.34 +2.75 -0.44 +1.11 +1.98 +0.77	15 15 15 17 13 16 17 16 18
NEW_HAMPSHIRE Benton Berlin_AG Concord Diamond_Pond Keene_AP North_Conway Rochester	47 47 52 43 52 51 54	84 85 88 80 88 88	67 68 72 63 71 71	+2 +1 +3 +0 +0 +3 -1	931 947 1293 588 1220 1092 1099	-17 +0 +162 -31 -61 +35 -106	273 294 510 97 435 393 395	+7 +13 +103 -6 -71 +35 -62	1.55 1.21 0.96 1.18 1.04 1.72	+0.77 +0.37 +0.19 +0.13 +0.20 +0.88 +0.39	3 3 4 4 2 4 5	6.03 3.82 3.06 5.22 2.78 5.70 4.38	+2.88 +0.42 +0.18 +1.05 -0.49 +2.30 +1.26	12 10 14 16 11 16
VERMONT Burlington_Intl Island_Pond Montpelier Pownal Rochester Rutland_AG Sutton Townshend_Lake	52 46 48 52 50 50 47 54	87 84 85 84 87 90 84	71 67 69 67 69 70 67 70	+1 +3 +2 -1 +3 -2 +3	1309 833 1033 1092 1027 1103 844 1125	+100	542 234 347 336 333 363 240 377	+64 +54 +57 +33 +61 -137 +48 -75	3.28 1.17 1.97 1.14 2.86 1.54 1.54 1.29	+2.44 +0.19 +1.27 +0.23 +1.96 +0.63 +0.56 +0.51	5 4 5 4 3 5 4	7.44 4.96 4.28 5.89 5.76 4.48 4.82 3.08	+4.17 +1.12 +1.48 +2.18 +2.34 +1.02 +0.99 +0.11	18 15 20 14 15 14 17
MASSACHUSETTS Ashburnham Boston/Logan_In Greenfield New_Bedford Otis_AFB Plymouth Walpole Chicopee/Westov Worthington	56 61 56 60 62 60 60 59	86 87 87 86 86 88 86	71 73 72 74 73 73 74 73 69	+3 -1 -1 -2 +3 +2 +3 -3 +1	1204 1455 1326 1306 1230 1248 1386 1539 1063	+21 -47 -111 +108 +69	438 633 516 505 479 494 565 665 334	+103 +18 -52 -91 +71 +43 +88 -45 +28	1.29 1.24 1.61 0.08 0.01 0.16 1.32 1.10 0.66	+0.45 +0.61 +0.77 -0.63 -0.63 -0.61 +0.55 +0.33 -0.32	4 4 4 2 1 3 4 3 4	3.92 3.89 3.55 1.45 1.08 1.77 3.72 3.70 4.02	+0.56 +1.33 +0.16 -1.31 -1.51 -1.31 +0.59 +0.37 +0.17	17 11 12 11 6 11 9 10
RHODE_ISLAND Providence Woonsocket	62 60	86 86	74 72	+1 +2	1490 1358		634 546	+70 +97	0.49 0.64	-0.23 -0.23	4	2.59 3.43	-0.25 -0.14	10 12
CONNECTICUT Bridgeport/Siko Hartford/Bradle Norfolk Thomaston_Dam Willimantic	64 61 55 59 61	85 89 82 90 85	74 74 69 74 73	+0 +0 +2 +4 +3	1586 1591 1163 1517 1426	+70 +164 +311		+68 +28 +88 +203 +120	1.11 1.23 1.03 1.98 0.44	+0.27 +0.53 +0.10 +1.00 -0.51	3 3 3 4 4 EATHE	4.00 3.55 2.90 4.16 2.35 R SUMM	+0.58 +0.66 -0.90 +0.44 -1.40	8 12 15 14 12

STATE WEATHER SUMMARYFor the Week Ending Sunday, July 25, 2004

Summary based on NWS data.
DFN = Departure From Normal (Using 1961-90 Normals Period).
Precipitation (rain or melted snow/ice) in inches.
Precipitation Days = Days with precip of 0.01 inch or more.
Air Temperatures in Degrees Fahrenheit.

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	Α	ir Tem	Precipitation					
State	LO	HI	AVG	DFN	LO	HI		
ME	40	87	68	+0	0.00	3.16		
NH	39	89	69	+1	0.43	1.72		
VT	43	91	69	+1	0.35	4.35		
MA	50	89	72	+1	0.00	3.15		
RI	60	86	73	+2	0.00	0.64		
CT	55	90	73	+1	0.41	3.85		

Prepared by AWIS, Inc.

REPORTERS COMMENTS, By County: Reporters are from Extension Service (Ext), Farm Service Agency (FSA), Natural Resources Conservation Services (NRCS), or other knowledgeable individuals.

CONNECTICUT - Dawn Pindell (FSA), Windham: Corn growing well. Heavy dew and scattered showers made it difficult to hay. Few early peaches due to winter freeze. Summer pruning and mowing orchards. Adequate moisture for crops. Summer squash and greenhouse tomatoes good. Blueberry picking excellent.

MAINE - Marvin Hedstrom, Northern Aroostook: Potatoes and small grains: Warm temperatures and adequate moisture are helping the crops grow rapidly. Tuber formation on potatoes looks very good. Grains look good with some lodging. Growers applying fungicides and insecticides as necessary. No real problems have been discovered as yet. Fields are being monitored for Corn borer egg masses. Steve London, Southern Aroostook: Potatoes and small grains: Some corn borers have hatched this week in some areas. Some late blight reported in Canada. Growers have been using Curzate for a spray preventative. Albert Dow (NRCS), Piscataquis: Farmers struggled to get hay dried. Perhaps the worst hay season remembered. Two inches of rain fell Friday night. Donna Lamb (Ext), Piscataquis: A number of farmers have cut hay over the weekend hoping that the weather forecast for sunny days was correct for the beginning of this week. Some hay has lodged with excessive rains. Quality will be low due to the late harvest date. Rick Kersbergen (Ext), Waldo: Some warm days helped the corn finally get going. Still having problems getting many dry days in a row to finish up first cutting hay. Crazy weather continues. Trudy Soucy (FSA), Knox/Lincoln: Early sweet corn is ready. Blueberry harvest will begin late this year. Wet weather still a factor in harvesting the hay crop, we need sunshine! The wet, damp weather is also causing a high blueberry fruit fly count. **Dr. David Yarborough (Ext), Washington:** Wild blueberries: Sprays being applied to control fruit fly. Crop harvest start still expected to be delayed a week because of cool, wet weather conditions. Michael Tardy (FSA), Androscoggin: The warm, humid weather during the day and the warm nights has been helpful to the corn crop. The plants seemed to have "jumped" this week and the crops are looking good. The market garden folks are getting zucchini, summer squash and cucumbers. The big anticipation is the sweet corn. The folks I've talked to say next Start the water boiling. Jill Littlefield (FSA), Cumberland/York: The area received a couple of days of much needed warmth. Everyone's still waiting for summer to arrive. More sun is needed!! Dry hay is nearly impossible to make this year. Vegetables are starting to come, but everything is behind. Gary Raymond (FSA), Franklin: Nothing like a trip to Harrisburg, PA to see how far behind the corn crop is up here. Summer is going by like a speeding bullet. Where is the sunshine and heat? Sweet corn will be a little late. Laura Rand (FSA), Oxford: Crops are doing well but in need of more warm sun. Producers are having problems getting the hay crops in between the showers. Showers and cloudy weather have been scattered and spotty throughout Oxford County. Silage corn and Sweet corn are behind due to wet and cool weather. Strawberry producers have reported small berries and winter kill. Raspberries are being harvested along with peas. Apple producers have reported dead and dying trees due to the winter weather. Potato crops are looking good in this county.

MASSACHUSETTS - Arthur Williams (FSA), Berkshire: Another slow week on haying, not much rain, but cloudy and very little sun. Veggie crops going great. Lots of watching for bugs and disease. Not many complaints. On one farm, deer eating red tomatoes off the vine and plenty of other "varmits" taking their share. Paul Russell (FSA), Southeast Massachusetts: Vegetable growers are harvesting most crops with good to excellent yields, excellent growing conditions continue to push all crops along. Cranberry growers are applying fertilizer to support an excellent set and help the fruit to size up, also applying fungicides and insecticides in an effort to bring the first crop in a few years to harvest. Frank Caruso (Ext), Plymouth: Cranberries: Nearly out of bloom. Fruit set continues to look very good, with berries sizing well so far. Some fruit worm injury showing up, as well as the first fruit rot in unsprayed areas in the bed at the Station. Scattered reports of lightning strikes in some beds, as well as hail three weeks ago.

Damage appears to have been minimal. Whereas other areas have received rain, the cranberry industry has received very little. Irrigation is in full swing. David Rose (FSA), Bristol: Harvesting of all crops continues. Silage corn growing very fast and looks excellent. Disease and insect pressure still low. Soil moisture is good. John Devine (FSA), Franklin: Hot, muggy weather finally arrived in the valley this week. This also brought a host of disease and insect challenges as well as scattered rains to parts of Franklin County. Silage corn has taken off, vine crops have filled in crop rows and field tobacco is almost ready to cut. Apples look good as long as scab problems are kept in check. The peach and plum crops are nonexistent. **Ted Smiarowski**, **Jr.** (FSA), Hampshire/Hampden: Hot and humid week with scattered showers. This type of weather brings plant diseases, so growers are on a tight spray schedule controlling bacterial diseases and powdery mildew. Growers are also scouting for insects such as aphids, beetles, maggots and tarnish plant bug. The harvest season has started for field tobacco and potato crops. Harvesting continues for sweet corn, summer squash, beans, beets, cucumbers and cabbage. Growers are top-dressing late vegetable crops, cultivating and topping tobacco. Field corn is starting to tassel, winter squash and pumpkins are flowering. Mostly all crops look very good. Gary Guida, Worcester: Harvesting all summer crops now. Quality is excellent. Cool, wet weather is causing some fungus out break in winter squash/pumpkin fields; growers spraying to combat. Continuing to plant beans, summer squash, and lettuce. Bicep failure starting to appear in corn fields.

NEW HAMPSHIRE - Amy Ouellette (Ext), Belknap: Early plasticulture sweet corn. Blueberry and raspberry harvests have begun. Summer squash, broccoli, greens, herbs, radish, greenhouse tomato, cucumber, spinach and more vegetables are being harvested. Pastures and hayfields look very good. Garden centers report brisk sales to Lakes Region summer homeowners. Tina Savage (Ext), Carroll: Cool, damp weather continues. Some first cutting still not in the barn. It is difficult to string together two good drying days. Numerous reports of fungal disease on everything from pumpkins to flowers. Second cutting growing well. Harvesting still an issue. Carl Majewski (Ext), Cheshire: More rain, and plenty of hot, humid weather. Field corn continues to do well - some fields have tasseled. Some farms have resumed second cutting alfalfa and grass for haylage, but weather conditions have made haying next to impossible. Despite a lack of sunlight that's kept many vegetables from ripening, sweet corn has started to appear in farm stands and at farmers' markets and is selling quickly. PYO raspberries and blueberries continues. Steve Turaj (Ext), Coos: Lots of rain early in the week followed by hot, humid weather that gave us a few days of summer. Corn finally starting to put on some growth as a result, although haven't seen anything tasseling as yet. Still some first cut dry baled hay being taken when possible, good regrowth on meadows already harvested. Mid-summer veggies somewhat slow this year, just beginning to see tunnel tomatoes. Cool, wet weather has generally slowed season down. Weather turning colder at end of week. Tom Buob (Ext), Grafton: Hay and haylage harvest continued as weather permitted. Regrowth is good to excellent do to the rainfall. Early corn beginning to tassel. Corn looks good to excellent despite cooler weather. Later planted corn growing well but not as good as early planted. Steve Schmidt (FSA), Grafton: This past week we had slightly more than one inch of rain. Top soil conditions improved with rains from Friday and early morning showers on Saturday. Ground water is still well below normal. Corn will get a much needed boost. The corn is looking good as a general rule, and some warmer temperatures will help, provided there is enough moisture. George Hamilton (Ext), Hillsborough: Vegetables: Farmers kept busy harvesting, cultivating, hoeing weeds, monitoring pest pressures, spraying pesticides for insects and diseases - if needed. Very good demand for produce at most local farmers' markets and farm stands. Corn earworm and fall armyworm caught in traps during week. Growers harvesting an array of vegetables: beans, beets, broccoli, cabbage, cucumbers, greens, lettuce, peas, potatoes, radishes, snap beans, summer squash, sweet corn and other vegetables. Fruit: Blueberry and raspberry harvests continued. Orchardists busy monitoring for pests, spraying if needed, and mowing orchard floors. Continued to monitor blueberry mummyberry disease in blueberry plantings and fir blight strikes in apple and pear orchards. Field Crops: Farmers making baled hay between showers. Second crop is not looking good. Silage corn is rapidly growing. John Porter (Ext), Merrimack: Vegetables are coming along slowly, need more heat units. Covered and early planted sweet corn being harvested, most corn is late. Peppers starting to be ready. Good blueberry crop, but needs more sun and heat to ripen. Nice quality second crop hay being cut. Pasture season has been very good with the adequate rainfall. Nada Haddad (Ext), Rockingham: Harvesting blueberries, raspberries, sweet corn, potatoes, and a whole array of vegetables. Finishing up first hay cut. Top-dressing vegetable fields. Mummyberry are noticed in blueberry fields. Could use some hot, sunny days. **Pam Marvin (FSA), Sullivan:** Three days of humidity helped move the crops along. Showers over the weekend came at a good time. A good crop of sweet corn started showing up at roadside stands this week. Early planted field corn has started to tassel. Some third cutting of alfalfa has begun. PYO blueberries began this past week and the crop looks abundant. Geoffrey Niue (Ext), Strafford: Haylage making continued through the week. Blueberry and raspberry harvesting was strong through the week. Farmers continued to monitor for insect pests and diseases. Apples are doing well. Orchardists monitoring for insect pests and spraying where necessary. Also mowing the orchard floor. Vegetable growers harvesting assorted vegetable crops. Growers monitoring for corn ear worm and other vegetable pests and spraying accordingly. Weeding in pumpkins and other vegetable crops.

RHODE ISLAND - Karen Menezes (Ext), Newport: A warm and humid week. Spraying sweet corn, picking beans and summer squashes. Farmers using this time to catch up on field work.

Potatoes and most field crops look great.

VERMONT - John St. Onge/Kim Peterson (FSA), Lamoille: Grass harvested last week was chopped for haylage. Hearing reports of high quality second cut with yields as great as first cut. Many corn fields have tasseled and appear to have good yields. Dave Blodgett (NRCS), Orleans: Rain Showers have made it very difficult to do any field work. Parts of the county received over two inches in the past week. Some field are very soft causing additional problems in harvesting hay. Perley Sparrow (FSA), Windham: Apple producers are reporting that the apple crop is bigger than past crops. Blueberries and raspberries are producing better that expected with all the showers this summer. Producers are reporting that sweet corn is ripening slower but say this is good because the demand is not there yet. Late planted field corn has caught up with earlier planted corn; as a whole the crop looks GREAT. **Jeff Carter (Ext), Addison:** Rains delay hay harvest. Little second cut done. Finishing dry hay, grass very mature. Corn tassel, some ears showing on early corn. Most still not tasseled. Very wet soils. Chris Benedict (Ext), Chittenden: Heavy rains have placed late-season disease pressure on apple, pears and especially, peaches from coming to harvest. Fruit size is swelling in orchards that got a good thinning earlier in the season. Looks like we may get a break from the daily rains this week. Heather Darby (Ext), Franklin: Hot and humid weather helped pushed the corn crop along. Many fields approaching tasseling. Second cut hay being harvested as much as possible between rain. Sherwin Williams, Rutland: Cultivated and fertilized vine crops for the last time. Put in last planting of green and yellow beans. Weeding cole crops. Still putting nitrogen on sweet corn as needed. Weeds as usual are doing fine. Short supply of rainfall (0.358 inches) this week. Peas doing well in this type of weather. Beets, carrots, broccoli on the market. Leafy vegetables doing well. Started digging early potatoes. Sweet corn needs some warm weather.

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Aubrey R. Davis, Director

Joe Samson, Deputy Director

Statistician: Dianne Johnson

Stat Assistant: Wayne Colpitt

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UNITED STATES DEPARTMENT OF AGRICULTURE NATIONAL AGRICULTURAL STATISTICS SERVICE POST OFFICE BOX 1444
CONCORD NH 03302-1444